

Headquarters U. S. Air Force

Integrity - Service - Excellence

Systems Engineering & Integration Contract (SEIC) Overview and RFP Sections L & M



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Capt Kyle Reybitz

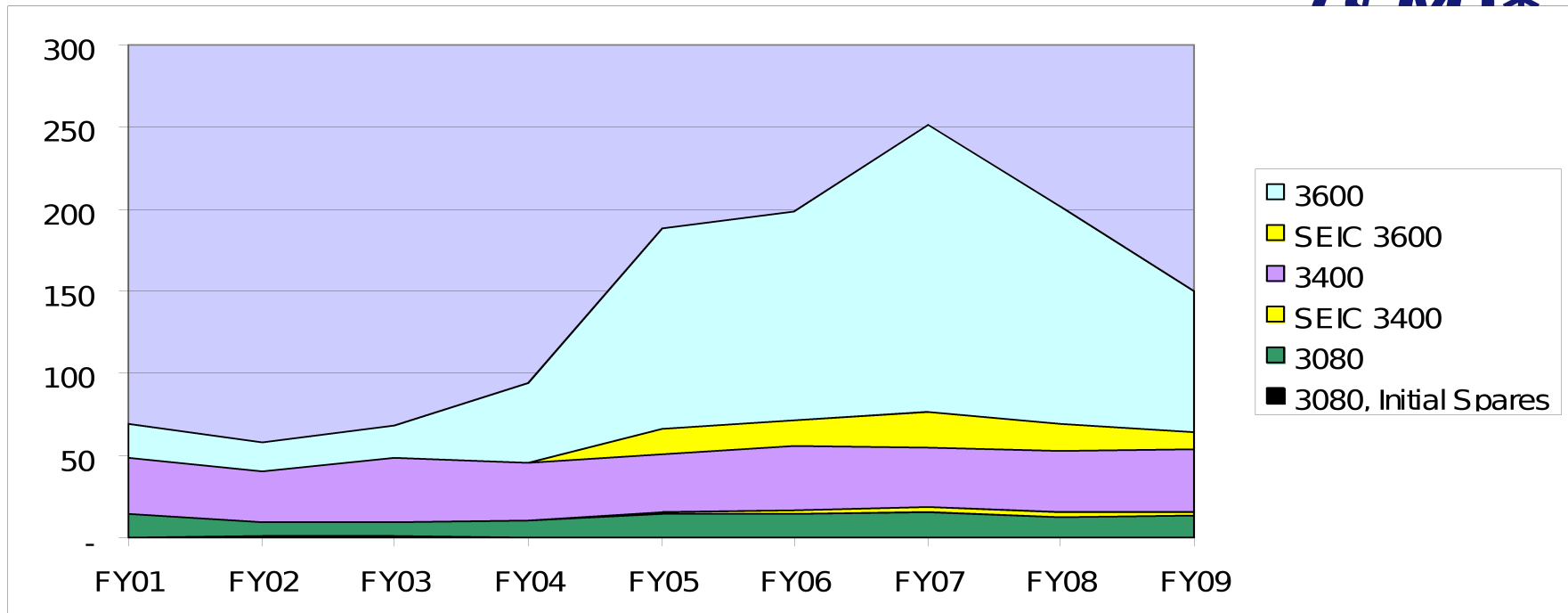
SEIC PM

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Mission Planning Appropriated Funding Status



	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09
RDT&E	20.755	17.300	19.622	48.709	136.701	143.154	196.749	148.541	96.314
SEIC	-	-	-	-	15.361	15.904	22.316	16.401	9.994
Procurement	14.451	8.898	8.675	10.319	13.926	14.838	15.547	12.637	13.137
O&M	33.794	31.080	39.266	34.755	36.881	40.729	39.033	40.191	40.895
SEIC	-	-	-	-	1.500	2.147	2.695	2.989	2.885
Initial Spares	-	0.787	0.746	0.510	0.366	-	-	-	-
Total	69.000	58.065	68.309	94.293	204.735	216.772	276.340	220.759	163.225

*Navy funding is not shown; equals less than 5% of total

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Business Strategy

Mission Planning Enterprise Contract (MPEC)

Gov't

System Engineering Integration Contract (SEIC)

Multiple Awd
ID/IQ pool

Associate
Contract
Agreements
(ACAs)

Sys Eng &
Integration
Contractor

MPEC

Govt

SEIC

- J MPS Development
- Legacy System Upgrades
- Design Components
- Software Programming - "Code Bending"
- OSS&E (e.g. Config Mgmt)
- Risk Planning & Mitigation
- Vertical Component and Integration Testing
- Technology Insertion & Prototyping
- Initial Training

- Program Management
- Increment Management
- Lead Functionals
- Requirements Management
- Risk Management
- OSS&E Accountability
- Sets Test Objectives
- Contract Management
- Budget
- Cost Estimating

- System Engineering
- System Software Integration & Test
- Horizontal Component Testing
- Top Level System Architecture
- Develop & Maintain Integrated Development Environment (IDE)
- Requirements Traceability
- OSS&E (e.g. Configuration Management)
- Integrated Master Schedule (IMS)
- Technology Insertion Roadmap

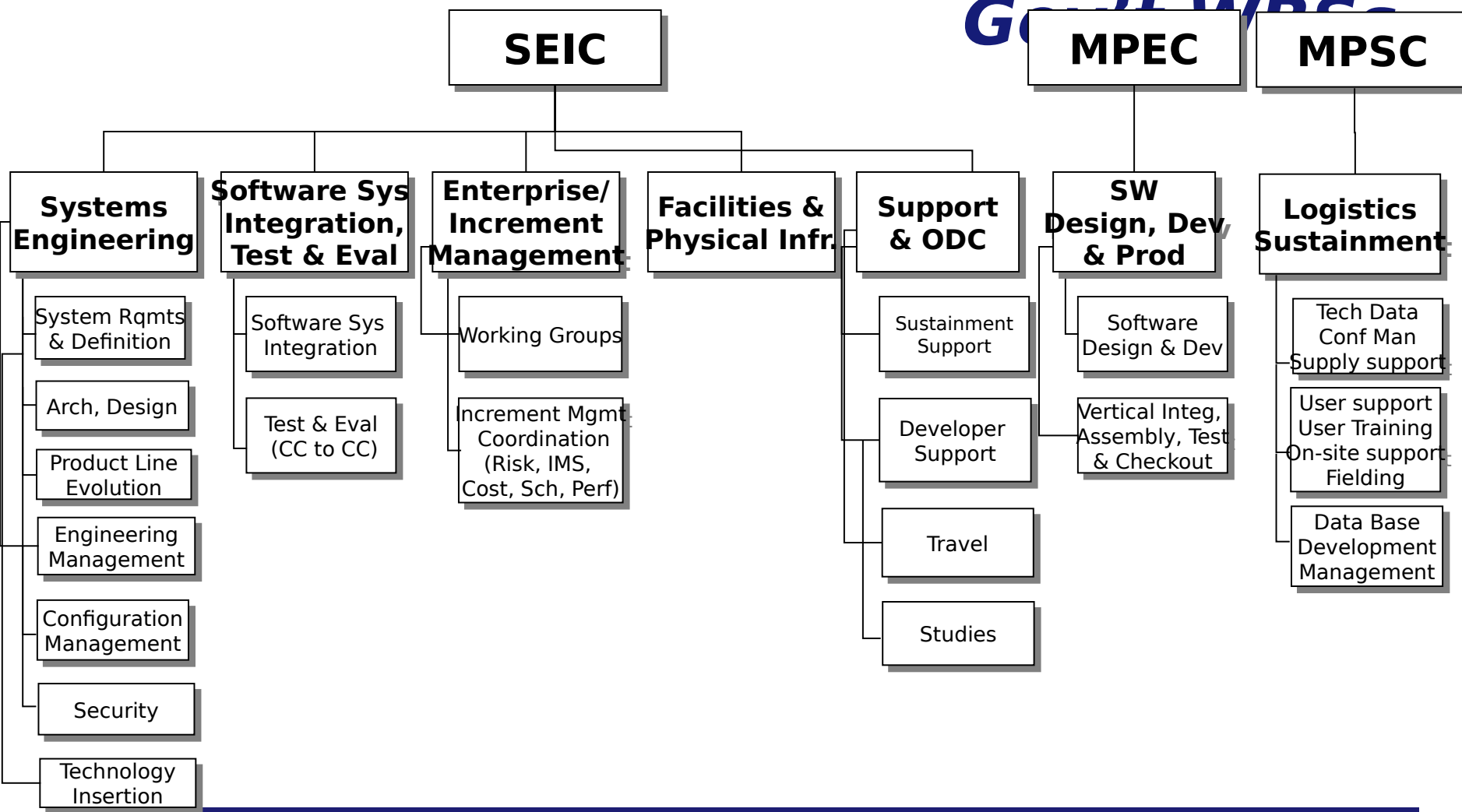
Heading Check with Dr. Sambur - 25
Nov 03



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SEIC, MPEC & MPSC

GOVERNANCE



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Systems Engineering and Incentives

■ **Solicitation**

- SE process test cases part of proposal evaluation
- Systems Engineering (SE) #1 Subfactor in Mission Capability Factor
- WBS (and SOW) has SE as Level II Element
- CMMI level III (or equivalent) minimum requirement

■ **Award Fee/Term Plan**

- 40% of Award Fee - Technical Tasks & Requirements (SE)
- Key areas to be evaluated: ensuring open, flexible, and extensible system design, effective requirements traceability, appropriate technical documentation, configuration management, change tracking, system software integration and test
- Development Contractors will evaluate SEIC performance - SE practices & processes

■ **Contract**

- SEIC responsible for MP enterprise SE operations and processes
- Metrics & Leading Indicators - 10 proposed technical measures (eg. Interface Changes), EVM and IMS



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SEIC Locations & Gov't Facilities

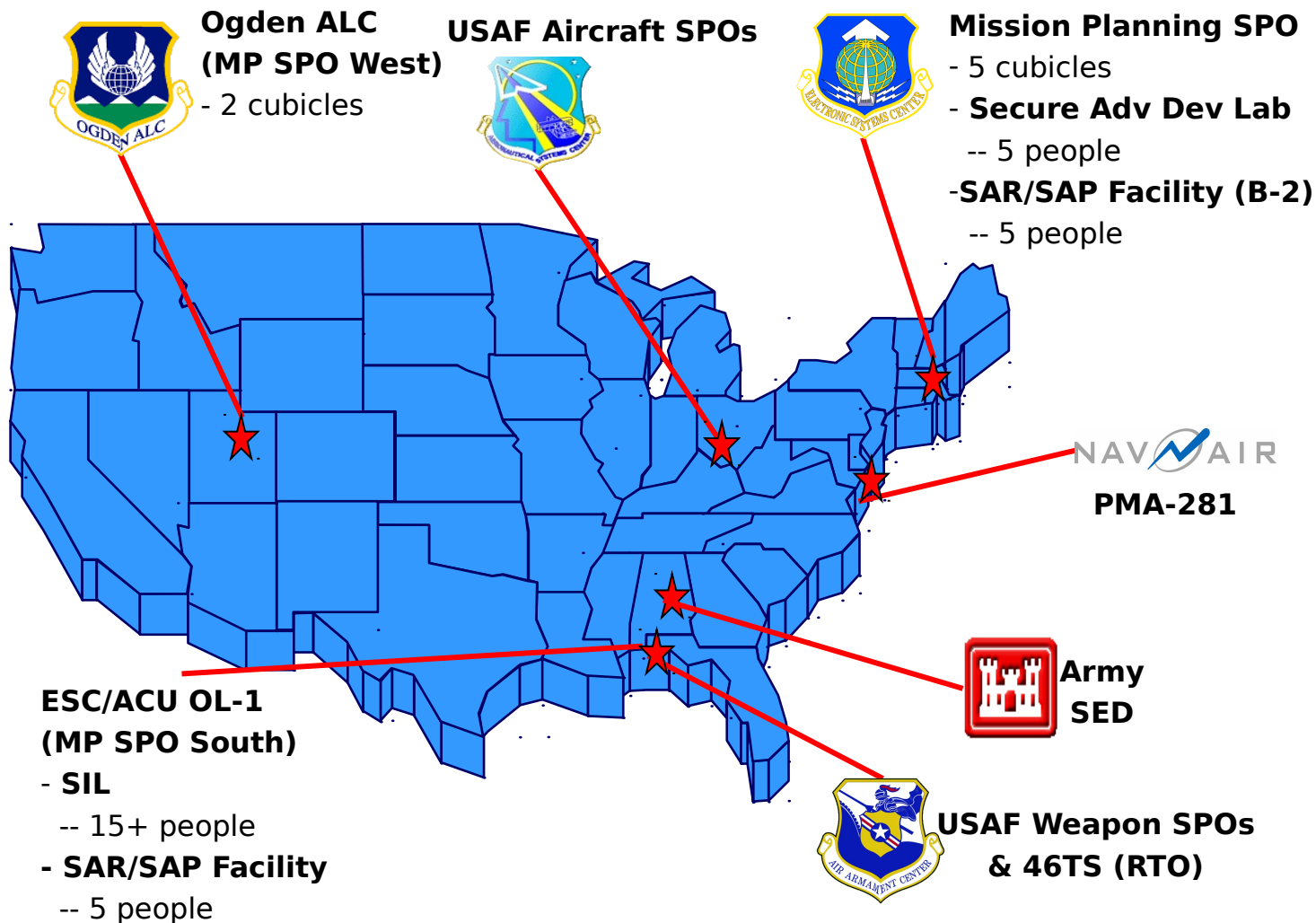
Locations:

Relationships/ interfaces for SEIC are required in these locations. In the RFP responses, SEIC offerors will propose most efficient way to accomplish

GFE

- Field rep MPEs

- MPS
- PFPS
- JMPS





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Evaluation Criteria

Section M

■ **Goal**

- Communicate to Offerors clear criteria the Gov't will use to make the best value award decision

■ **Factors (in order of importance)**

- 1) Past Performance 2) Mission Capability/Proposal Risk 3) Cost Price

■ **Past Performance Sub-factor (Recency & Relevancy)**

- Integrating large scale software systems (>500K SLOC)
- Developing large scale software systems (>125K SLOC)
- Integrating software in a distributed environment
- Developing Object Oriented Design and use of UML modeling
- Developing software in Microsoft (MS) Windows Dev Envs and MS OSs
- Developing/Integrating systems using spiral development
- Developing interfaces including experience with XML
- Integrating large scale software systems w/o contractual control of dev contractors
- Developing mission planning systems



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Evaluation Criteria Section M (cont)

- **Mission Capability/Proposal Risk Sub-factor Considerations**
 - Represent key Mission Planning areas of importance
 - Criteria based on: program risks, critical areas where, should Offeror not succeed, the program fails, etc
 - SAF/AQ guidance

 - **Mission Capability/Proposal Risk Sub-factors**
 - Systems Engineering (SE)
 - Architecture & Design
 - Product Line Evolution
 - Requirements Definition
 - Process Maturity and Tailoring
 - System Software Integration, Test & Eval
 - Integrated Development Environment (IDE)
 - Horizontal Integration
 - Enterprise/Increment Management
 - IMP, IMS, CWBS
 - Requirements, Config Mgmt, Mgmt tools & metrics
 - Subcontracting Plan
-



Instructions, Conditions & Notices Section L

■ Goal

- Ensures requested information is in proper format
- Tracks to evaluation criteria in Section M

■ Volumes

- I - Executive Summary
- II - Past Performance
- III - Mission Capability/Proposal Risk
- IV - Cost/Price
- V - Contract Documentation

■ Mission Capability/Proposal Risk

- Follows Section M Sub-factor
- Offeror's Library will contain needed info



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Closing

- **Submitting/Submitted Questions**
- **Short Term Schedule**
 - Post Offeror's Library
 - Answer Industry Day Questions
 - Refine RFP, prepare SOO
 - Acquisition Strategy Panel (ASP) approval
 - Concur to release RFP (at OIPT)

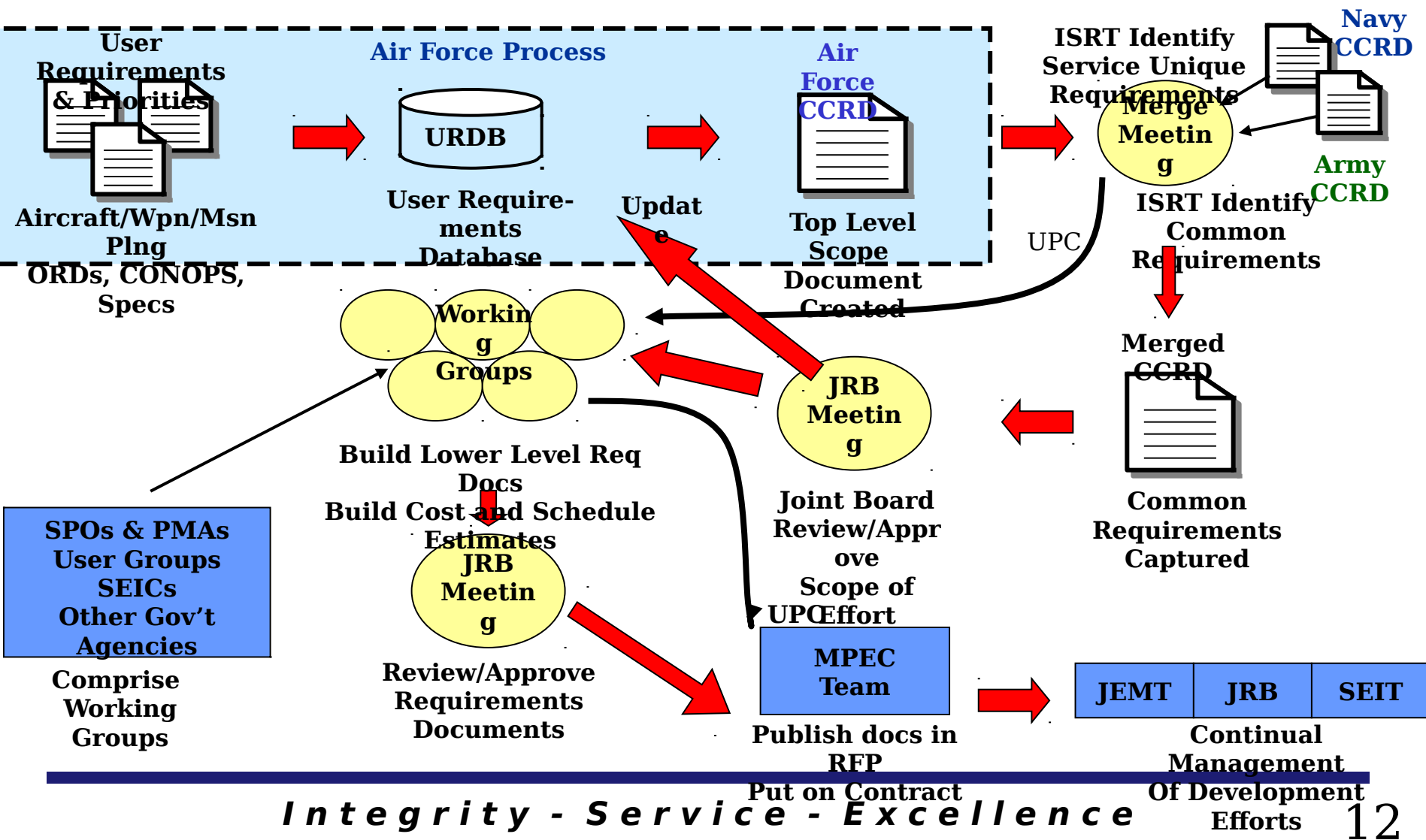


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Back Up



Requirements Management Process

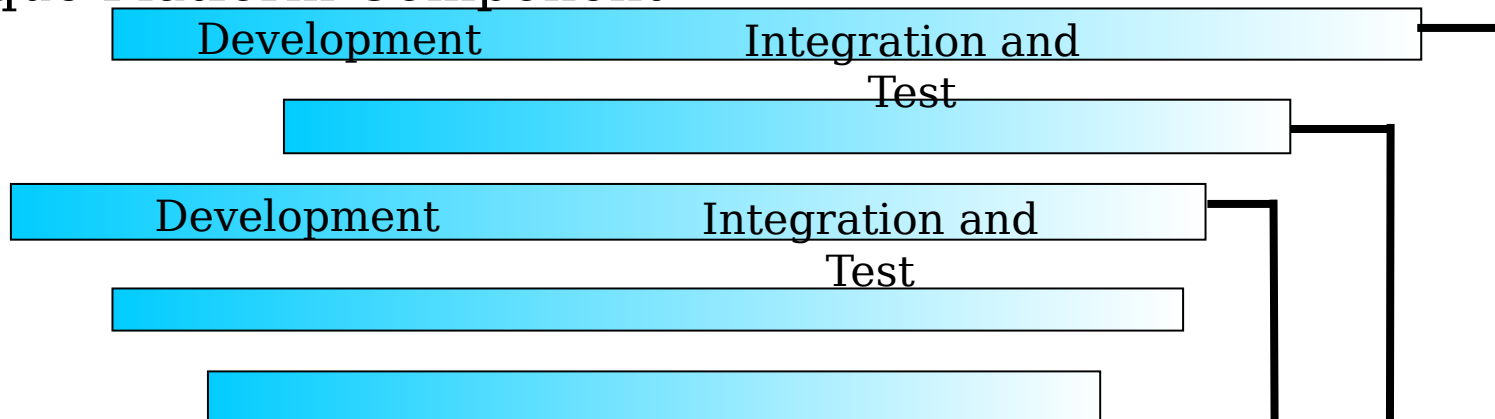




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Development Strategy

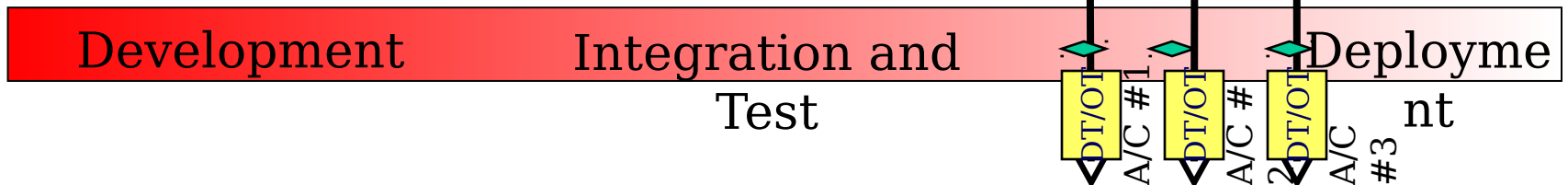
Unique Platform Component



Common Capability

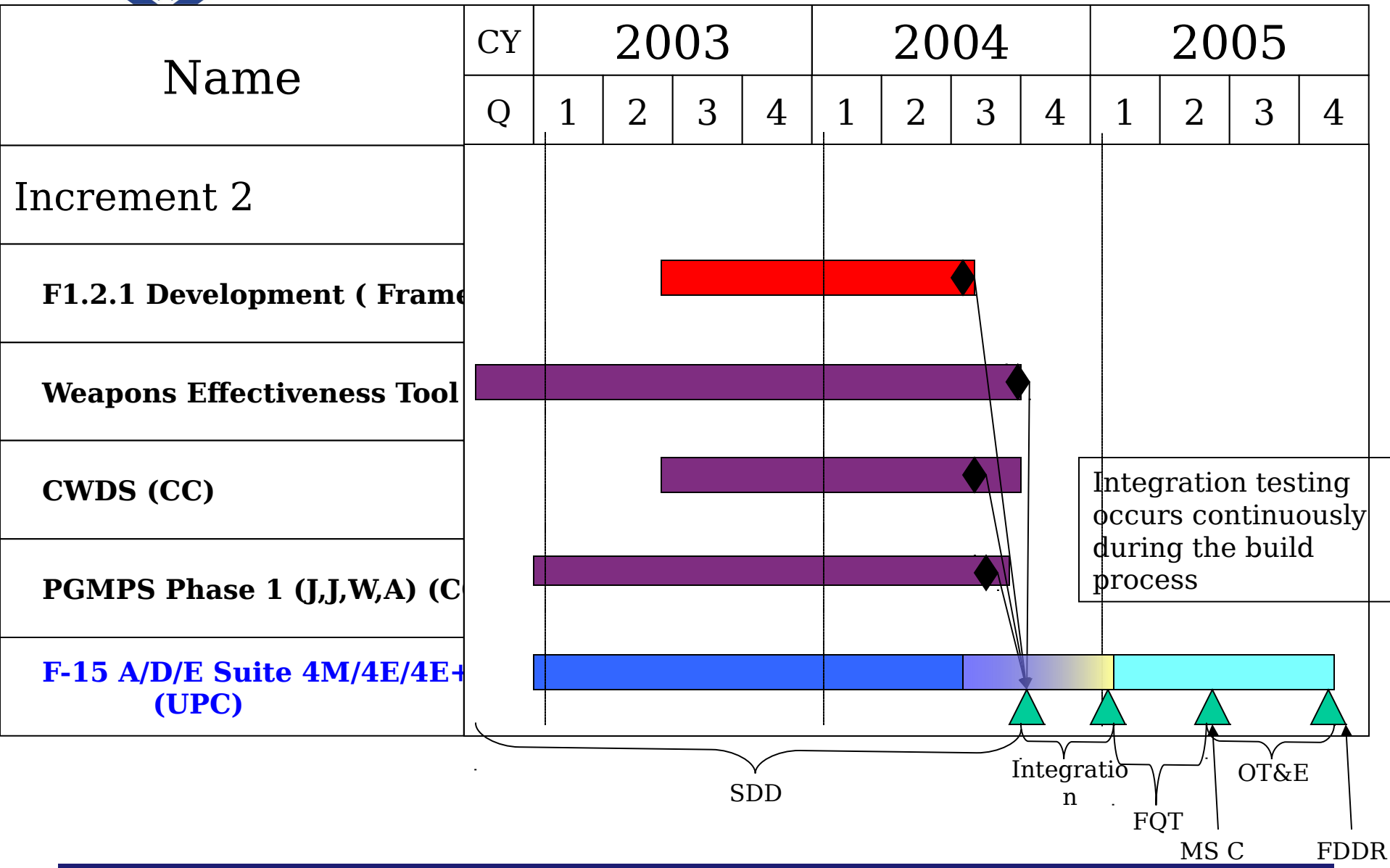


Framework





F-15 MPE Example





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SEIC Schedule

Industry Day I

Industry Day II

Sources Sought Synopsis	10 Oct 03	10 Oct 03
Industry Day/One-on-One's	15-17 Oct 03	15 Oct 03
Quick PASS	29 Oct 03	29 Oct 03
Pre-ASP	04 Feb 04	
Phase I ASP	05 Nov 03	10 Mar 04
Draft RFP Release	26 Nov 03	02 Aug 04
Industry Day II/One-on-One's	09 Aug 04	
Phase II ASP	10 Aug 04	
Pre-Solicitation Conference	04 Dec 03	N/A
RFP Release	14 Jan 04	15 Sep 04
Proposals Due	16 Feb 04	15 Oct 04
Contract Award (w/o Discussions)	31 Mar 04	08 Dec 04